GE Healthcare

OEC Elite™ MiniView™ C-arm

Digital Mobile C-arm Technical Data

Changing the Mini C-arm Experience

Cannot be placed on the market or put into service until it has been made to comply with the Medical Device Directive requirements for CE marking.

Specifications

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X-ray System

- X-Ray Tube
  - Compact Monoblock
- Focal Spot
  - 0.033 mm*
- Generator
  - 12.8 W
- kVP range
  - 40 - 80 kVp
- mA range
  - 0.02 - 0.16 mA
- Maximum Output
  - 0.16 mA 80 kVp
- Dose Rate Calculation
  - AKR/DAP

Imaging System

- Detector
  - CMOS flat detector
- FOV Size
  - 4" (10 cm) Mag
  - 5" (13cm) Normal
- Detector Size (resolution)
  - 1.3 k x 1.3 k pixels
- Pixel Size (spacing)
  - 100 microns
- DQE
  - (0) - 70%

Viewing System

- Monitors
  - Dual medical 19" (48 cm)
  - Monochromatic LCD
  - Anti-glare panels
- Monitor Resolution
  - 1280 x 1024 pixels
- Displayed image: primary live image
  - 11.4" (29 cm) diameter
- Displayed image: reference image
  - 11.4" (29 cm) diameter
- Image Size
  - 1.3 k x 1.3 k 16 bit image processing
  - 1 k x 1 k displayed image
- Tilt Motion
  - 10° up / 10° down
- Swing + Swivel Rotation Motion
  - 180° + 270°
- Viewing Angle
  - 170° horizontal & vertival
- Max Panel Brightness
  - 1400 Cd/m^2
- Max Contrast Ratio
  - 1000:1
- Touch Screen
  - Right monitor

Surgeon Tube Head Controls

- X-ray exposure button
- Dual tube head control panels
  - Auto Technique
  - Low Dose Mode (max .08 mA - 80 kVp)
  - Manual kV/mA adjustment
  - Save
  - Swap
  - Print
  - Laser Aimer
  - Magnification
  - Image rotate
  - Auto Brightness/Contrast
  - Manual Brightness/Contrast adjustments
  - Alarm Reset
  - Smart Lock Button

Imaging Features

- Annotation/Measurements
- Smart Metal
  - Detects metal in the field and optimizes image quality
- AutoTrak
  - Automatically seeks anatomy anywhere in the field and selects optimal technique
- Zoom-Roam
- Auto X-Ray Technique Control
- Edge Enhancement
- Last Image Hold
- Auto-save/Auto swap
  - Configurable
- Noise Reduction
- Motion Artifact Reduction
- Flip/Invert
- Negate

C-arm Physical Specifications

- Balanced Pivot C /Fork
  - Carbon fiber Composite material
- Smart Lock Button
  - Anti Drift Locking Mechanism
  - Single button locks 4 joints
  - Electro-mechanical
- SID
  - 17.6" (45cm)
- Free Space
  - 13.4" (34 cm)
- C-arm Depth
  - 18" (46 cm)
- Frictionless Orbital Rotational Sleeve
  - 120° (90° Underscan, 30° Over Scan)
- C-arm Horizontal Travel
  - 77.2" (196 cm)
- Counterbalanced C-arm Vertical Travel
  - 33.4" (85cm)
- C-arm Panning Motion
  - 366°
- C-arm Lateral Rotation
  - 380° (+/- 190°)
- Weight
  - 220 kg (485 lbs)
- Foot Print
  - 0.64 m^2
- Size
  - 70.5" x 29.0" x 38.3" (179 x 74 x 97 cm)
- C-arm Motion
  - 5 joints: Orbital, Lateral, Upper and Lower Horizontal, Vertical
- Footswitch
  - Wired
  - Configurable dual pedal
    - Save, Print, Save & Print
- Skin Spacer mount

Electrical

- Backup Battery
- Input Power (60/50 Hz)
  - 100/110/115/120/127VAC @ 4.5A
  - 200/220/230/240VAC @ 2.3A
- Auto Power Sensing

Data Management & Connectivity

- Water Resistant Keyboard
- Removable Storage
  - (3) USB Ports
- Hard Drive Storage
  - 100,000 images
- Printer
  - optional
- DICOM (3.0)
  - MPPS
  - RDSR - Radiation Dose Structured Report
  - Query and Retrieve
  - Modality Worklist
  - Print
  - Storage
  - Storage Commitment
- Wireless DICOM
  - optional
- Wireless Frequency
  - 2.4G, 5G
- Digital Video Interface
- Network Interface
- Room Control Interface

Regulatory Compliance

- IEC60601-1
- U.S. 21 CFR Subchapter J

*** Nominal size per manufacturer's specifications**

Dimensions

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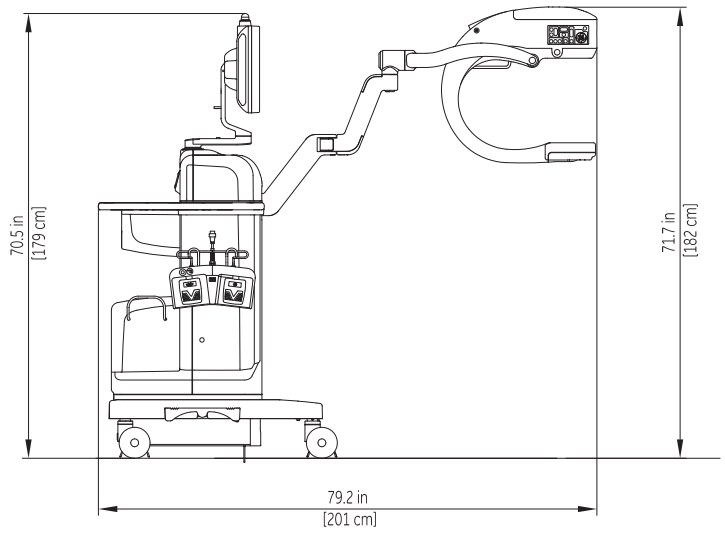

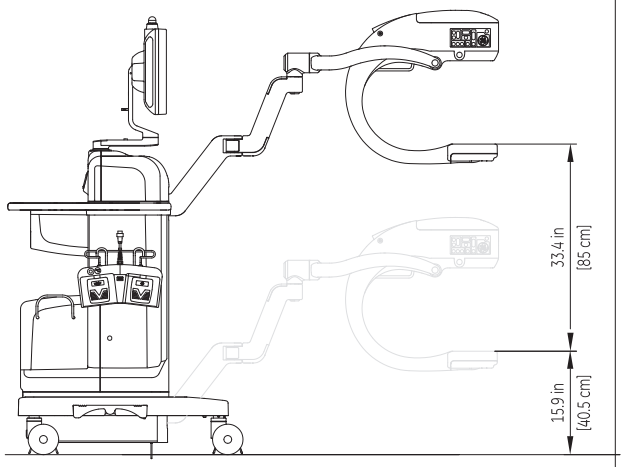

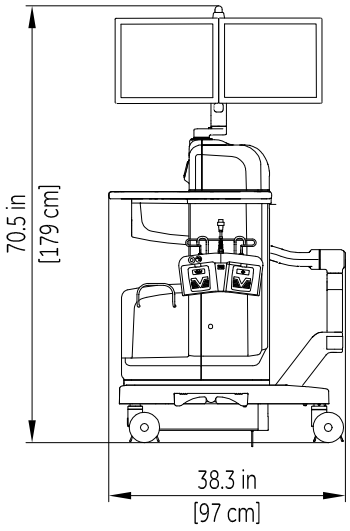

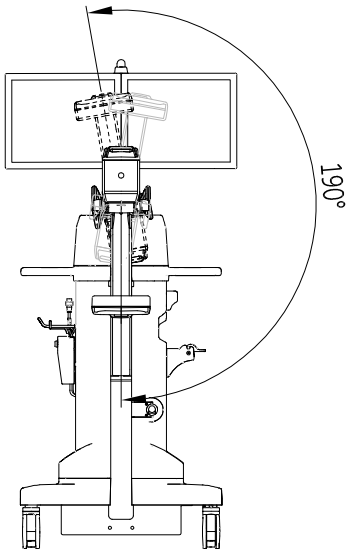

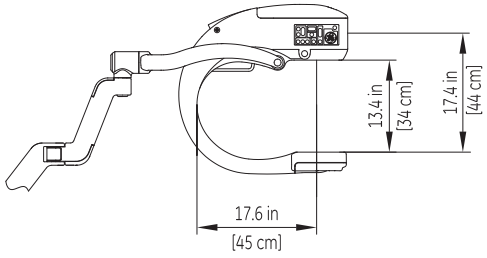

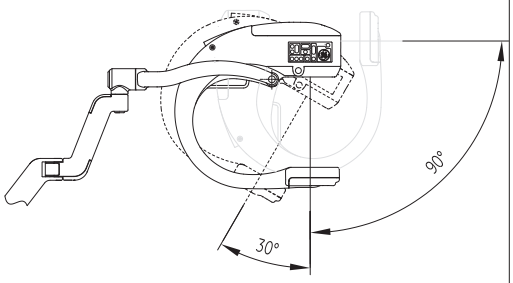

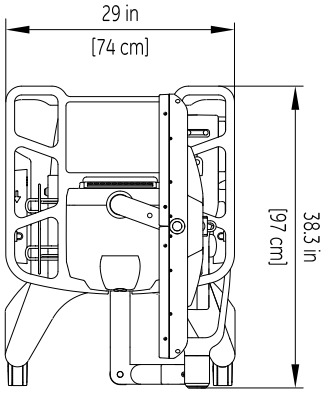

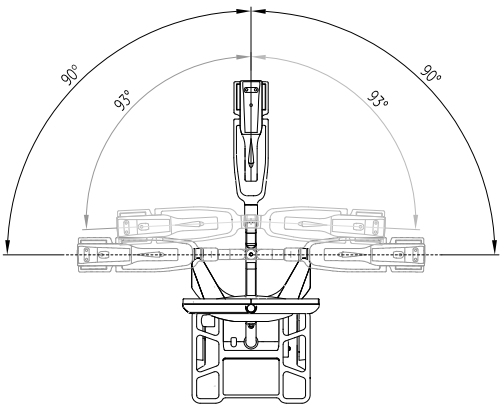

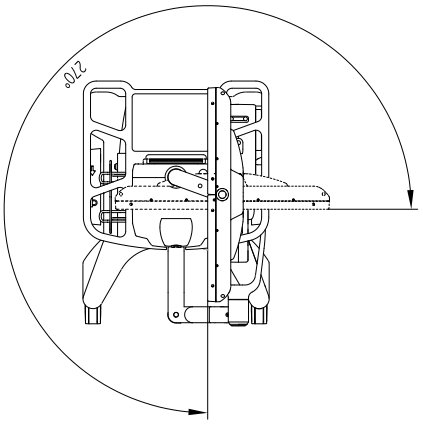

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GE OEC Medical Systems, Inc., doing business as GE Healthcare.

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Healthcare Re-imagined

GE is dedicated to helping you transform healthcare delivery by driving critical breakthroughs in biology and technology. Our expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, and biopharmaceutical manufacturing technologies is enabling healthcare professionals around the world discover new ways to predict, diagnose and treat disease earlier. We call this model of care "Early Health." The goal: to help clinicians detect disease earlier, access more information and intervene earlier with more targeted treatments, so they can help their patients live their lives to the fullest. Re-think, Re-discover, Re-invent, Re-imagine.

imagination at work

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